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Manchester Environmental Laboratory

7411 Beach Dr E, Port Orchard, Washington 98366

Case Narrative

September 30, 2010

Subject: Kitsap Mystery Oil Project

Sample(s): 1009096-01

Officer(s): Brad Martin

Work Order#: 1009096

By: Bob Carrell

Hydrocarbon Identification Analysis

Analytical Method(s)

The sample was extracted with methylene chloride then analyzed, along with a method blank and various petroleum product standards, by gas chromatography with flame ionization detection (GC/FID). This method is consistent with a modified EPA SW-846 Method 8015B and/or ASTM Method D-3328.

Holding Times

The sample was analyzed within the recommended method holding times.

Calibration

This is not applicable in the traditional sense since only various petroleum products standards are analyzed to establish chromatographic product "fingerprints".

Blanks

No analytically significant levels of any petroleum product or hydrocarbon were detected in the method blank (B10I285-BLK1) associated with this sample.

Comments

The HCID analysis showed that this sample contained a significant amount of coal tar creosote. Creosote is primarily composed of polyaromatic hydrocarbons (PAHs).

Washington State Department of Ecology
Manchester Environmental Laboratory
Final Analysis Report for
Hydrocarbon Identification

Project Name: Kitsap Mystery Oil
Work Order: 1009096
Project Officer: Martin, Brad

Analyte: Hydrocarbon identification
Method: HYDRO-ID
Matrix: Other

Sample #	Sample ID	Collected	Analyzed	Result
1009096-01	BOIS	09/24/10	09/30/10	This sample contains a significant amount of coal tar creosote.

QC Results for Batch ID: B10I285

Method Blank

B10I285-BLK1	Blank	No detectable petroleum hydrocarbons or products found.

Authorized by: Barnell **Release Date:** 9-30-10